

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [4117] "38 Special QSO"
Message-ID: <3286218F.66A@telis.org>

Saturday morning I had an appointment with Dave Fifield and Ori Mizrahi-Shalom to meet at Dave's house and go over the final details of the 38 Special pcboard layout. The appointment was for 11:00, but I arrived a little early. Dave greeted me at the door, and we went immediately to his shack which is set up in the garage. Very neat, nicely organized, much different than the KI6DS arrangement. We visited for a few minutes and then Dave asked me, "Would you like to have a go at the "38 Special"?"

He didn't have to ask twice. Dave built a very nice prototype of the circuit on perfboard and has it mounted into a TenTec case, the TP-17 I believe. We hooked up the power, antenna (40 meter dipole into a homebrew tuner, dipole up about 25 feet), headphones and a nice old Navy style straight key. Then the moment of truth came. Power on, hey there is loud RTTY signal, a couple of other CW signals as I tune across the band. Hmmn, what coverage do we have here? I turn on Dave's new (to him at least) Icom 720. Let's see, bottom of the tuning range, 10.104 and the top is 10.128, Wow! 24 kHz of tuning range, right where we want it on the 10 MHz band! This is great. Ok, hook up the OHR wattmeter. 200mW power out. (Ori's rig puts out about 400mW, so we are going to say about 300mW for the kit to be safe, as Dave is running his rig off a 6 Volt regulator. The kit uses an 8 Volt regulator.)

Everything checks out. Now I tune across the band. Hey, great receiver, lots of volume. There, AB7JW is signing. I tailend and give him a call. It is Ken, in Ogden, Utah, and he gives me a 339 report! Wonderful. A qso with the first call! A real radio, with sidetone, offset, 25 kHz of tuning range. Ori, you are a genius. And here is the good news. The board is being layed out with hacking and experimenting in mind. You can build the basic rig and it will put out 300 mW. Then, by simply cutting a few traces and adding parts (not in the basic kit, but very easy to find) you can have the following; RIT, Improved Audio Filter, 3 Watts output (add an IRF510), and, maybe the best news of all, there is a layout on the board for one of the new TiCK keyer chips from Embedded Research. The keyer chip will cost \$5, and will be available in late December from Brad and Gary.

Ori has designed a great little rig, and he and Dave have put a lot of thinking into the layout of the board by providing for all of the improvements on the board. Great thinking. The next step is for us to get 4 prototype test boards made. The board is doublesided, and will be plated through with soldermask and silkscreen. This will be a much nicer board than the 49er board that I layed out. We will build the 4 prototype boards, then test them. If all goes well, then we start the kitting process. Stay tuned, as Jerry Parker will have the

kit ordering information as soon as it is available. We have the price set at \$25 plus \$3 shipping for US and \$5 for DX. This is gonna be a good one.

The article for the "38 Special" will appear in both the December issue of QRPp and the January issue of QRP Quarterly, which will be out about the same time. Also appearing in the same issue is the "Rainbow Tuner" by Joe Everhart, N2CX. The New Jersey QRP Club will be kitting that project, and they will release the information when they are ready. The Rainbow Tuner is an L-C arrangement that uses 5 different colored diodes as tuning indicators instead of a meter. It has an absorptive SWR bridge, and will fit in an Altoids tin. Builders, get those soldering irons ready, you are going to have a lot to do this winter. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Jerry Parker <jparker@fix.net>
Subject: [4132] 49er Contest Rules
Message-ID: <2.2.32.19961111014036.006cebe0@fix.net>

The upcoming 49er Contest rules have been posted on the NorCal Page.

<http://www.fix.net/norcal.html>

There is much more there also.

Enjoy,,,72,,,Jerry...WA6OWR...K

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Luke Enriquez <ecsclfe@lux.latrobe.edu.au>
Subject: [4097] A Message to All Those Fast with CW...
Message-ID: <9611101319.AA25050@lux.latrobe.edu.au>

Howdy,

It is of recent concern to me that some new HF operators are being ignored when replying to calls of CQ, usually by those call CQ at speeds faster than what they can cope with. Please remember that you too were once "slow" at CW, and without motivation you would not be where you are today. Most slow CW operators are very grateful for a call, a name, a

RST and then sign. I know this from my own personal experience. It is a great feeling to work a DX station who will slow down for you. It means that you are respected as an amateur even if your slow at CW.

The way things are going, we are lucky to hear anyone on CW, and if there new to it, please help to make them feel welcome. Without new blood in CW, the mode will die out along with the majority of the older generation who use it.

Regards,
Luke

--

Luke Enriquez VK3DLE "I only cook with Non-violent
3rd Year Electronic Engineering fruit that pulps itself."
Latrobe University, Victoria, Australia.
ecsc1fe@lux.latrobe.edu.au

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From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Hidehiko Komachi" <ja9mat@nsknet.or.jp>
Subject: [4095] Add New Items on Homepage.
Message-ID: <199611100717.QAA15615@po.nsknet.or.jp>

Hi,Fellows!

I added 2-new items on my homepage today.

- 1- JA/QRP on the air meeting sound (.au format 160KB)
- 2- My 0V1 reg.Rx's Schematic (its schematic,coil data,,)

Please enjoy!

Regards.

*** Thanks! 73/72 & GL! , From: Hidehiko KOMACHI as JA9MAT ****
Member of JA-QRP#036,G-QRP#9128,Alaska-QRP#025,QRP/L #761
E-Mail; ja9mat@nsknet.or.jp
Packet Radio; JA9MAT@JA9IHI.28.JNET9.JPN.AS
World Wide WebSite; <http://www.nsknet.or.jp/~ja9mat/Index.htm>
-----< end of message >-----

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [4111] arc military chassis
Message-ID: <Pine.GS0.3.93.961110114036.8607B-100000@destrier.acsu.buffalo.edu>

Hello,

I have a couple of military radios that could be used for tuner parts.

they both have a thumbwheel driven roller inductor.
and three variable caps each.
two of the three variable caps are driven together via a cable assembly

Both chassis fit in a cardboard box. and together weigh 17 pounds.

I was going to use them for antenna tuners, but my antenna is resonant on the frequencies that I use. Not much chance of me taking the time to build something that I can't use.
UPS to california is \$12.52.
Make an offer :-)

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: beacon_wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [4109] Beacon on the air now
Message-ID: <19961110.123500.7079.0.Beacon_WB8YGG@juno.com>

I am running a beacon to test a few things today.

It's running 1mw at 3565.40

I'll be running it till 9pm EST today.

I am sending a 4 letter code word .

The 1mw level is as low as I can apparently go with the front panel control on my 980, so we will have to delve into other methods soon.

73 Brad WB8YGG

P.S. I tried posting before, but think it got caught in the unsubscribed bit bucket.

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [4130] Bencher Paddle
Message-ID: <19961110.175206.7279.1.kb0rol@juno.com>

Gang,

After reading all the posts about paddles and drooling over the ones available I was finally able to trade for some (thanks). they are the Bencher BY-1 (Black) ones. They have the "Lilt' Bugger" keyer (Iambic B) attached with velcro. These are really neat but How the Heck do you work them. After some practice I can send a "C" and sometimes a "Q". If I can reach a high state of ZEN I can send CQ about 80% of my tries (note this is all with only the keyer and a head set - no radio connected).

Are there any instructional manuals out there? How about instructors?
Also how about instructions for the Paddles (adjustment etc.)

Don't worry I won't be using them on the air UNTIL I can at least send my call too.

Thanks
Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KB0ROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [4108] Chargers sold
Message-ID: <Pine.GS0.3.93.961110113318.8607A-100000@destrier.acsu.buffalo.edu>

Hello,
Thanks to all that responded. The nicad/gel cell battery chargers are gone.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Scott Bauer <ke3nv@erols.com>
Subject: [4120] CQC QRP club
Message-ID: <199611101958.0AA05208@smtp1.erols.com>

Hello Guys and Gals !

Is anyone out there an active member of Colorado QRP Club?
I sent my check to them over a month ago and have recieved nothing,
or heard nothing from them. No reply from email either.

Thanks for any reply 72/ 73 Scott

.....
Fists 1502, ARCI 8804, G-QRP 8773, Nor-Cal 1094, NE 348, ex - CQC 352

Scott Bauer W3CV (formerly KE3NV, N3RQU) QRP nut SWL
CW Operators QRP Club # 484 (Australia) Grid FM-19, Odenton, MD

.....

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
Subject: [4099] CW SS
Message-ID: <Pine.A32.3.93.961110090351.54182A-1000000@weyl.math.Virginia.EDU>

Finally got around to checking over the log. Only had a few hours to
operate, so hoped to make 100 contacts -- but I misremembered the
ending time for the contest. Thought I had three hours left when the bands
went completely quiet! What an eerie experience!

Wound up with 84 qsos in 43 sections (33 states). Worked a guy I knew
back in Bakersfield, CA, (N6UR); worked my home state (MT) for the first
time from this qth. Not bad considering the fact that my dipole has been
at a height of 10 feet since Fran.

72,

Ralph AA6UL
Charlottesville VA

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Joe Gervais <vole@primenet.com>
Subject: [4138] Digital QRO Attonement
Message-ID: <199611110506.WAA04395@primenet.com>

Howdy,

Steve (KA7NOC) wrote:

>

> I would like any information about FW2EH, I worked him/her on rtty, please
> forgive me for not using cw, and the fact that I was QRO too !!!

Using a mode other than CW is clearly no sin. But that
QRO part.... Bad Steve! Bad! No biscuit! :-) :-)

To attone, I strongly suggest operating in the Northwest
QRP Club's digital QRP contest.

Remember - for QRP to be successful as a grand conspiracy,
we have to invade every mode there is. Spread Spectrum may
prove to be a bit tough though.... :-)

Cheers de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [4129] FOX -QSL's
Message-ID: <19961110.175206.7279.0.kb0rol@juno.com>

As of Monday November 11th I will have mailed QSL cards to all my FOX
contacts - My October 9th turn went out some time ago and my November
6th contacts will go out on the 11th. If you do not get one by the 14th
please let me know and if you want one I'll get another one out.

I do want one back - I don't think I'm looking for wall paper BUT this was special!!

Brad Mugleston - KBØROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KBØROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: kbØrol@juno.com (Bradley L Mugleston)
Subject: [4131] FOX Schedule - Novice/Tech+
Message-ID: <19961110.175207.7279.2.kbØrol@juno.com>

I will be the Novice/Tech+ Fox on Wednesday Night Local at 19:00 MST.
I will be between 7.110 to 7.125 depending on QRN, QRM. I will try to stay at my first frequency if at all possible. If I do change I will try to let you know if I am QSY UP or QSY DOWN. I will try not to move too far but when the BC's come on they seem to take up a lot of bandwidth at my QTH.

I am planning on using my Kenwood TS-830S at around 4 watts. I will use my Inverted V this time. It is at a 90 degree angle from my other antennas and yes I know its not really high enough to make much of a difference, I am trying to get some of the states I don't have. They are all SE of me. I may change antennas but I don't think so. I am working on getting some radials out for my vertical, maybe next time.

Again,

Who - KBØROL
What - Novice/Tech+ Fox Hunt
When - Wednesday Night. Nov. 13, 1900 MST [Thursday Morning, Nov. 14th, 0200Z)
Where - 7.110 to 7.125 - I will try to camp out where ever I can find a clear space.
Why - because its there.

Thank you,

Brad Mugleston - KBØROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KBØROL@JUNO.COM

BMUG@GWL.COM

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Dan Reynolds" <bcdlr@midwest.net>
Subject: [4126] Foxhunt N/T KB9JLO
Message-ID: <199611102245.QAA01054@cdale3.midwest.net>

Foxhunt N/T Tuesday November 12 "Local Time"
KB9JLO Decatur, IL 0100-0300UTC

I will be on this Tuesday evening as the N/T Fox. I'll start out at 7.112 or so. Will move as conditions require. Please come out and look for me. Rig is Kenwood TS830S turned down to 5 watts. Antenna is 100' of inverted vee fed with TV twinlead to a balanced tuner. Time will be 0100-0300UTC.
UTC Date -- November 13 KB9JLO Dan IL 0100-0300UTC

Mark your calendar -- Tuesday evening, "Local Time"
0100-0300UTC (Nov. 13 Wed) 7.112 KB9JLO

Dan Reynolds - Technology Coordinator
Lutheran School Association of Decatur, IL
ham radio: KB9JLO packet: KB9JLO@N9KGZ.#CIL.IL.USA.NOAM
web: <http://www.midwest.net/orgs/lsa/>
email: bcdlr@midwest.net or lsa@midwest.net

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Denton Bramwell" <denton@cyber-west.com>
Subject: [4121] free varactors ship tomorrow
Message-ID: <01BBCF06.F1405860@async16_routerb_layton.cyber-west.com>

Everyone who sent me a self address stamped envelope and a request for varactors will have them in a few days. I'll be dropping them in the mail tomorrow. I still have enough to supply those whose SASE's show up Monday. After that, they're gone.

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: RobCap@aol.com
Subject: [4113] Heath Nostalgia; Am building an HW-8; Comments
Message-ID: <961110125042_1982459530@emout06.mail.aol.com>

I've been reading with great interest the recent correspondence on Heath

Nostalgia. Some time ago I posed the question: "To build or not to build" my unbuilt HW-8. The QRP-L came back 75/25: "Don't build".

I took the advice of the group, and I decided to leave the radio in kit form. However, since then, I've been fortunate to acquire two more HW-8's, and have decided to build one. It's about 50% complete, and I'm loafing through the project to savor the experience. I plan to post to the Internet photos of the rig in process, so that people can experience the phases of building a Heathkit.

I don't think there is a single factor that can explain my Heathkit Nostalgia. Certainly, I rule out sheer radio performance, as the Sierra and OHR-400 run circles around the performance of the HW-8 and HW-9. (Although the Heathkits are good radios, and their multi-band capability makes them serious QRP rigs today.)

But Heathkits are unique. The radios had unique and complex cabinetry and design that make them very attractive. I think the HW-8 and HW-9 are much better looking than the modern rigs, although the Sierra's blue case with built in KC-2 is in serious contention. The radios were also mechanically complex, especially in their dial mechanisms, and this made them interesting.

Heathkits were also kitted in extraordinary fashion. Following along the detailed instructions, along with richly crafted illustrations is a lot of fun. Also, opening up all of the little bags, boxes, envelopes, cartons, etc. has the quality of discovery/surprise akin to opening up wrapped birthday presents.

One thing is for sure. Generations of us got started in technical careers building Heathkits. We ordered from the local Heath showroom or from the catalog, built our kits, and developed our interest in Ham Radio and Engineering. I think we really lost something when Heath went out of business. We lost a tiny piece of the American landscape.

Heathkits bring me back to simpler times when I was starting out in Ham Radio, and the when the world seemed less complex, and perhaps a bit more innocent than it does today.

73,

Rob, W3DX

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Timothy Gordish <105020.2634@compuserve.com>
Subject: [4098] KC-2

Message-ID: <199611100836_MC1-BDB-19D0@compuserve.com>

I saw the KC-2 in QRPP and was wondering if it is widely available yet. Does any know what price it sells for and where I can get one. I am planning on adding it to my Atlas-210x, which might be more difficult than I think, but should be possible to add an an outboard accessory.

72 de Tim
kb9lgj

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Paul Stroud <aa4xx@amsat.org>
Subject: [4122] KL 80M Net
Message-ID: <328643BC.465A@amsat.org>

Hi Gang,

Here's the Knightlites net report from last Sunday night. Thanks to all of you who stopped by to say hello. Conditions were "long," with not many stations from 4-Land being heard by acting Net Control Stations N2TNN, VE3SP, K3TKS, or AA4XX. These kind of conditions make for challenging listening sessions, and you all demonstrate every week that QRP'ers have some of the best ears of all!

Please remember that the net is now starting a half hour earlier, so you KnightOwls can a little more sleep. Hope to see you all each Sunday night on 3710 KHz at 9:30 PM EST (0230 Z). Newcomers are always welcome. Let's see if N2TNN makes it in tonight below 100 mW...

N1RXT	Chuck	Chelmsford,	MA	329	4W	
N1QQV	Ken	Madison,	CT	559	5W	QRP+
WB8YGG	Brad	Brockport,	NY	559		
WB0CLD	Bill	St. Charles,	MO	549	4W	100' wire/66'ctrpoise
VE3SP	Ron	Hamilton,	ON	329	5W	Vertical
N1QLF	Margie	Westbrook,	CT	599		
VE3REP	Garry	Ajax,	ON	339	5W	
VE3DDY?	Jim	Ottawa,	ON	219	5W	vy weak
W8KUX	Chas	Kensington,	MD	229		
N8CQA?	Buck	Marysville,	MI	229		vy weak
N2TNN	Dean	Somerset,	NJ	449	3W	Dipole
N3GO	Gary	Raleigh,	NC	449	100mW	Dipole
K3TKS	Danny	Silver Spring,	MD	339	1W	Loop
KF8EE	Ted	Loveland,	OH	339	4W	
KF2PH	Nick	Patchogue,	NY	339	2W	
AA4XX	Paul	Raleigh,	NC	(NCS)	5W	

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: CKrelic <CKrelic@worldnet.att.net>
Subject: [4114] Looking.....
Message-ID: <328618B9.3FB8@worldnet.att.net>

Hi all.....

I am looking for the matching speaker that goes
with the "HW9" Station. If anyone can help me out
please let me know.

Thanks,

Curt/Ka3ivb

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Dean Marzocca" <n2tnn@ifu.net>
Subject: [4128] Monday nite fox
Message-ID: <199611110005.TAA06073@mail.ifu.net>

Here is a reminder. I'll be the FOX tomorrow night.

*** UTC UTC UTC ***
November 12, 1996
0100-0300
*** UTC UTC UTC ***

New York 800pm-10pm
Chicago 700pm-9pm

Starting fq will be 7.037 HMz. I'll tend to move up, if needed.

I'll be running 5 watts from a QRP+ into a GAP Titan.
My location in NJ is about 20 miles west of NYC
Listen closely and lets see if we can get a few hunters in the log.

See you all tomorrow!

72/73, Dean, NJ, N2TNN, QRP-L # 560
EMPS Q=4 S=3 DX=1

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996

From: "Kenneth W. Evans" <w4du@bellsouth.net>
Subject: [4116] Other lists
Message-ID: <3286243E.7199@bellsouth.net>

Can anyone tell me how to subscribe to the following lists?

topband

gqrp

boatanchors

Somehow I lost the data when I changed to a new provider and can't seem to locate it. Any help appreciated.

72/3,

Ken W4DU QRP-L # 70
formerly K3RFN & KJ4XR
w4du@bellsouth.net

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [4102] output capacitors for RF Amps, FET
Message-ID: <3285f05e.pandora@pandora.lugs.org.sg>

Hi Gang,

I just finished some cursory tests on my dual MOSFET linear on 20m. In the original state, the spectrum looked like a haircomb! Fundamental output was also quite low.

Since I did not have much time to reall work out the maths for this circuit, I worked on the filters. That seemed to help a little. But what made the most difference was a 330pF capacitor from the drain of the output transistor to ground. The addition of this cap immediately resulted in all the disappearance of most of the unwanted harmonics and output power went up by 30%. This is probably due to power not being wasted in unwanted output.

As a result, I would heartily recommend adding this output capacitor as a possible improvement for bipolar and FET finals which look into a transformer. It may make the greatest difference. You'll have to experiment with the capacitor values to get the best performance. Just wanted to share this with other experimenters out there.

73 de 9V1ZV Daniel

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*-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg    |
```

| QRP-L #667 | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [4096] Portable antennae
Message-ID: <199611100834.IAA25440@mail.enterprise.net>

I read with interest the mail on a suitable quickly erected system
for portable use.

May I once again mention the end fed half wave, which is featured on
my web site?. Uncoil the wire, chuck it into a tree, adjust the core
of the coil for maximum RF on a FSM and off you go. Nothing could be
simpler. One support needed and can be made for more than one band.

What more do you need?

Cheers.

72/3

Frank G3YCC GQRP 042

QRP Web pages: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Jack Bryant <Jack.Bryant@math.tamu.edu>
Subject: [4123] qrl
Message-ID: <199611102116.PAA16893@fourier.math.tamu.edu>

It means

QRL? are you busy

QRL I am busy, please wait/

and it has nothing at all to do with QRP!

-Jack W5TFB

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "John Shuster" <jshuster@ix.netcom.com>
Subject: [4125] Roy Gregson's Northwest 40 - Reflections
Message-ID: <199611102231.OAA08047@dfw-ix9.ix.netcom.com>

To All:

The next town north of me is Bremerton, WA. I've known for about a year
that there was a local shop there kitting QRP radios. Some old Navy men on
the list might have been stationed at the shipyard there at one time.
Bremerton is the home of EMTECH, headed up by Roy Gregson, W6EMT. Roy

makes the NW 8020 series of QRP rigs, called 8020 because you can get rigs in 80, 40, 30, and 20 meters. It has the standard superhet receiver, variable bandwidth crystal filter, solid state antenna switching (no relay), and true QSK. 5 watts out adjustable down to a squeak.

I called Roy, visited him in his shop, and had a thoroughly enjoyable hour and a half discussing QRP design. I wrote a check for \$95 and left with a NW40 kit and the optional active audio filter. Roy has a nice cabinet with all the hardware for an additional \$30, but I wanted to try designing my own layout from the Radio Shack cabinet, p.n. 270-253. That was a Friday afternoon. That night I got to work on the rig.

Nice board, clean new parts, first class package. You test as you build, so you get confirmation that things are going together correctly. I love to wind toroids, but unfortunately there were only four that needed to be wound. By Saturday afternoon, I had everything put together and working. Then came the cabinet. I have really been spoiled by OHR rigs and my Wilderness Radio NC40A. Nice painted silk-screened cabinets. Just install the pots, jacks, and board.

This cabinet stuff was new territory for me. It s risky work drilling holes in the right places! Fortunately, Roy supplies a template that can be taped to the Radio Shack cabinet. I followed the instructions to the letter and to my surprise and delight everything fell right into place. Radio Shack s supplier has pretty good lot to lot consistency on those cabinets! Little challenges like this keep the construction aspect of QRP bringing me new experiences.

Alignment was straightforward. All you need is to do the job is a calibrated general coverage receiver or transceiver, a VOM, and a dummy load. I used my Radio Shack frequency counter for the VFO alignment. There were a number of steps calibrating the BFO, RIT, VFO, transmitter and sidetone, but everything happened as described in the instructions. I didn t have to tack solder anything anywhere to get adjustments to come into spec. Right on first time. I got over 7 watts out on my OHR wattmeter. I set it back to 5 like a good ARCI member.

There are a lot of neat things about this radio.

1. The VFO is very stable. The VFO toroid lays flat near the center of the board. There s a lot of air around it. I glupped it up with clear fingernail polish, let it dry for an hour and checked the frequency. Still in spec. There s a station here on the West coast that transmits code practice stuff all day long. He s usually around 7.099. I planted the rig on that frequency and listened to him in the background for an hour while I did other stuff. The signal stayed right on the beam.

2. The audio is really loud. None of my QRP radios approach the audio

output of the NW40. I asked Roy how he achieved this unequaled AF muscle. He explained that he designed the circuit according to Motorola's original specs for the MC1350. The result is spectacular. This baby cranks!

3. You can tune SSB and Broadcast stations. Up above 7.150 (this rig tunes from 7.000 to 7.210), if you open up the bandwidth pot and tune carefully, you can hear 40m phone and European broadcast stations. That's a nice option. I tested the VFO again by listening to a couple of ragchewers talking about oscilloscopes. No drift for the 45 minutes they were on the air, and I learned a lot about scopes listening to these engineers talk. Perhaps I should send for a diploma.

4. Good optional audio filter. It pulls weak signals right out of the mud. When Roy told me that the active filter design is straight out of the ARRL handbook, I figured I'd pass on buying his add-on kit. I'd just go to Radio Shack, buy the parts, and cobble a filter together. I changed my mind and got Roy's accessory kit. The reason for this decision was Roy's explanation that all the parts are high precision and they're matched for best filter response. The resistors that determine the center frequency are 1% and the capacitors are 2%. Three sets of resistors are supplied so you can choose a center frequency of 800, 750, or 650 Hz for your listening enjoyment. Just for the fun of it, I bought parts and made a filter of my own from the schematic. Mine doesn't sound or work as well as Roy's matched part kit. He was right. It was worth the money and his PCB looks a lot better than my Frankenstein job on half an experimenter's board.

There are a lot of good kits out there. Each has its own personality. This NorthWest series by EMTECH is a really versatile rig with a number of surprising features. I confess that I have more radios than I need, but not all the ones that I want. I'm an unrepentant kit builder. I'm really glad I got this one to add to my collection!

If you'd like printed info on Roy's NorthWest series of rigs, send an SASE to: EMTECH, 3641A Preble St. Bremerton, WA 98312

Pricing: Kit: \$75 Audio Filter: \$20 Cabinet Kit: \$30 S/H is a little extra.

You can also contact Roy at EMTECH: roygregson@aol.com

Blessings from afar,

John

P.S. EMTECH tuner on the way!!!! Roy gave me some parts for a Z-Match tuner kit he's designing for QRP operation. I'm going to beta test it for him. This tuner will handle up to 15 watts, is small and light, and designed to be trail friendly. Complete kit price will probably be under

\$50. I ll write it up after I get done constructing it this weekend.

++++++
Father John Shuster, Married Roman Catholic Priest jshuster@ix.netcom.com
Need A Priest? Rent-A-Priest! 1-800-PRIEST-9 A Free Referral Service
At the foot of the Olympics in little Port Orchard, WA
K7MP ARCI 8951 QRP-L 554 ARS 36 NW QRP 346 WWDXC ARRL
++++++

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Joe Gervais <vole@primenet.com>
Subject: [4134] SALE: QRP Rig in time for the Holidays
Message-ID: <199611110352.UAA21017@primenet.com>

Howdy Folks,

As part of my plot to acquire \$\$\$ for a Sierra (great FYBO rig - gotta have one!) I humbly hawk the following QRP rig for US \$110. Perfect gift for your spouse. Ham or not. 'Cause you can ask to play with it when they're not using it. :-)

Rig: MFJ-9020 xcvr (retail \$189)
Pwr: 5 watts max
Mode: CW
Extras: MFJ audio filter included (retail \$30).

Price: US \$110 + shipping.

Great working condition. In fact it's on loan to a fellow QRPer who needed to get on 20m. Which reminds me... Errr... Kent, hope you haven't gotten too attached to that rig.... :-)

Cheers es Happy Holidays de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: angell@northernnet.com (V.C. Angell)
Subject: [4105] Thanks
Message-ID: <199611101541.JAA27183@northernnet.com>

Thanks to everyone who sent me an answer to my question. 73 until the

computer comes back.
"VC" KCOEM

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [4104] The Cobweb HF antenna
Message-ID: <199611101535.PAA14607@mail.enterprise.net>

I recently mentioned the Cobweb antenna which I have recently erected and mentioned it was a good compact system. A few folk have asked what it is.

It is a commercially produced (UK) five band rig, a bit like a quad, but used horizontally. It is basically five dipoles balun fed, bent into a square on fibre glass supports. Rotation is not needed as it gives 360deg radiation. Bands: 28,24,28,21 and 14mhz. Size: square shape 8 feet across. Looks tiny at 33 feet... Can use two as a conventonal quad formation, I understand.

Not 100pc sure if Steve Webb is still making them up near Malton in North Yorks, haven't seen his ads in the mags of late. By the way, he is a professional aerial designer and gives a very interesting talk to radio clubs.

The price of the Cobweb was/is about 180 UKP and other versionsfor LF were made. I have no commercial interest in the firm, I bought mine second hand.

Sorry I can't supply them!

72/3

Frank G3YCC GQRP 042

QRP Web pages: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [4118] Web site - CW
Message-ID: <199611101917.TAA00895@mail.enterprise.net>

Check my web site for links to Whiterook Products (mini keys and keyers) and Vibroplex (keys).

Also more entries for the 'Meaning of QRP' list, for you to chew over.

More amateur's homepages links too.

Enjoy it and let me know when you have taken a look.

72/3

Frank G3YCC GQRP 042

QRP Web pages: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Dave.Ackrill@Westwood45.powergen.co.uk
Subject: [4106] Wirewound Resistors & Vanity Calls
Message-ID: <961110120719Z*/G=Dave/S=Ackrill/O=Westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB/@MHS>

Re: Non-Inductive Windings

Instead of winding two coils and shorting the ends etc., why not take a piece of wire twice as long as one coil, bend it in half and then wind it onto the former?

Re: Vanity Calls

Well, over here we've had vanity calls for a while. Basically you think of a callsign that hasn't yet been issued (i.e., if they are issuing G0B** then you can pick something like G0DJA, but not G0AAA as it will have already gone) and pass the relevant exam/CW tests, and you must have these BEFORE you apply. then you send in your application, and wait.

Provided that;

- a) no one got in a request before you and;
- b) the authorities don't make a mistake (they don't guarantee that they won't),

then you get the callsign you wanted.

In my case it is my initials. This is an advantage of a predictable issuing system, where the allocation follows alphabetical sequence, even including Wales, Scotland, Northern Ireland and the other British Isles (not listed for brevity, sorry to anyone on one of the unlisted isles). Now, if only we could have predicted that the issuing authority would choose "M" when the "G" ran out! Think of having these:-

MORSE (M Zero R S E)

MOUSE

MICKY (Perhaps as well as the previous one!)

There are already these out there:-

GOOFY

GOONS (The "Goons" were a comedy programme on the BBC in the 50's)

GILLY

GOODY (With both shoes of course)

All good fun eh?

Cheers - de Dave (G 0 David John Ackrill)

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996

From: lve1@inel.gov (Larry V East)

Subject: [4119] Zeners and Such -- a recap

Message-ID: <2.2.16.19961110193143.188f3684@eloi>

Here's a recap of responses to my original post about deleting the Zener from QRP finals:

>I've been busy (real work sometimes gets in the way), but I did model
>a class-C amplifier at 1.0MHz using a 2N2222 and a 50 ohm half-wave
>PI filter. The Zener clipping action was readily observed, and it
>takes place while the transistor is turned off (as we expect). I also
>observed the high amplitude ringing as described by others.

>

>The Zener action increases the loss in the output network, which would
>reduce the efficiency of the amplifier, so that would explain at least
>some of the reduced efficiency you're seeing as you attempt to drive the
>amplifier to much higher output power. The transistor getting hot is
>probably due to overdriving the transistor. Having the zener allows you
>to overdrive the transistor where it otherwise would be destroyed.

>

>The variable capacitance of the zener diode is mostly seen as a
>capacitor that changes value depending on the drive level.

>

>take care!

>Dana

>

>Larry,

> While developing some class C circuits, with a scope on
>the collector, was surprised to see a few hundred volt spikes.
>They drove my linearly regulated power supply nuts... Vcc went
>up to about 20 volts, when it should have been 12v.

> Anyway, the output amplifier survived long enough to

>observe the waveform and digest what was going on. The class
>C output stage was oscillating, at a frequency a good deal
>lower than the R.F. driving waveform. It was actually operating
>like a flyback stage: when the transistor turned off, there
>was a huge +ve going spike going up a few hundred volts. It
>looked like the choke acted as the flyback magnetic storage
>element, but the output pi filter could have been involved
>as well.
>This was likely with no 50 ohm load on the output pi filter.
>A zener certainly would have clipped those spikes and saved
>the transistor from undue stress.
> Taking off the driving waveform eventually stopped
>the oscillation.
>
> SPICE ought to simulate a high SWR situation properly.
>Might try it myself and see what collector voltages get up to.
>Glen VE3DNL.
>

>From: WBarnhart@gnn.com (Wayne Barnhart)From: WBarnhart@gnn.com (Wayne
Barnhart)

>
>When working with the NW8040 I had a terrible time trying to make
>the thing transmit. A 36V zener setteled the problem right down. I
>had an swr of not quite 2:1 on the antenna. It would suggest that
>the zener does play a roll in protecting the final from less than
>optimum swr. In NA5N's book he also suggests that the zener be used
>and how the value is calculated in reference to Vcc.
>I have kept your msg and will study it further as I may have
>misunderstood.
>
>Confused in Spokane
>

>Larry East and a few others question whether the zener
>diode on the collector of a class C output amp can
>save the transistor under bad SWR conditions. Me too.
>

>So during lunch, got my keyboard all greasy simulating
>a class C stage on SPICE with a simple circuit.
>Particularly noted the collector voltage, and current
>under three load conditions: 0.5, 50 and 50000 ohms.
>

>Well, the collector (peak) voltage & current (peak) was:

>load	>Vc(peak)	>Ic(peak)
>-----		
>50000	57	.5A
>50	41	.7A

>0.5 80 2.1A
>
>So the peak collector voltage was least when loaded
>properly. Vcc was 12v D.C. and the filter was a
>butterworth five-element lowpass. The transistor
>was a 2N3904 multiplied by 4.
>
>Also noted that when SWR gets bad, the collector
>draws negative current. Not sure where it goes,
>but the zener would likely conduct some of this
>current away from the transistor.
> So a zener CAN protect the collector
>voltage from going too high, providing its
>turn-on time is fast enough.
>Note: Always take SPICE models, and what they
>tell you with a grain of salt.
>72, Glen VE3DNL
>

So, the bottom line appears to be: Yes, a Zener CAN protect a final under high SWR conditions.

It appears that the peak collector voltage can indeed exceed approximately 3 times the DC supply voltage. I suspect that the amount of inductance in the collector circuit (choke or transformer) will have a big influence on the peak AC voltage. It also appears that a Zener can also help the "ringing" problem, but it is not clear to me if it is due to the Zener's capacitance (which varies as a function of the AC voltage) or the fact that it clips the peaks and thus acts as a "damper" (maybe it is a combination of both).

One should keep in mind that simulations are only as good as the underlying model. Hopefully someone can make some definitive measurements on real circuits (keeping in mind that measurements are only as good as the equipment and the person using it :-) and enlighten us all.

Maybe the only meaningful statement in my original post was the recommendation to use as rugged a transistor in the amplifier as possible (consistent with other constraints like gain, gain-bandwidth, etc.).

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [4112] re: arc chassis
Message-ID: <Pine.GS0.3.93.961110123353.5740B-1000000@autarch.acsu.buffalo.edu>

Thanks for the replies the radios were sold for \$6 each.
:-)

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [4137] RE: Bare Essentials
Message-ID: <Pine.SUN.3.91.961110212819.28720A-100000@kitsune.swcp.com>

It's GREAT! The B.E. was completed at 2030 tonight! My son was in the room when I decided to smoke test it, and being a wise dad I told him to leave the room so I could plug it in. I then attached a 50' extension cord to the B.E. and went to a receptacle that was in the other room(just in case it blew!!!) OK, my hand nervously shoved the plug in the wall, and no sparks. I went back to the shack looking for smoke and guess what? NO SMOKE!!! I plugged in a my old J-38 and started sending some code and listening to myself on my r-390. Lil chirp, but fair signal! So, I get brave and send out a CQ, all the while thinking I'm wasting my time! What's that??? I heard a weak signal calling me! Sure enough only 2 minutes on the tube(used of course) and already a contact! So, the first contact on the B.E. with NL7GW in Oregon and rst of 559 at 2100mtn on my one rock freq. of 7.052! I gotta get back to my lil one tuber!!! Next is a 30 meter version of the same. Yes, I DID get a shock already! Must have been 110 cuz only went a lil ways up my arm!!!! 72, Tom QRP-L 640..More to come!!

Special thanks to K1MG who supplied me with the "rock" and works great.... Thanks much Mike! Will send you a photo and you will get a QS0!! ADIOS

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "Steve Hurst" <shurst@magiclink.com>
Subject: [4135] Re: Bencher Paddle
Message-ID: <199611110352.WAA90463@nss2.CC.Lehigh.EDU>

Bradley,

Thats funny, I was just thinking about getting a Bencher Paddle myself as well as a keyer. Let me know what you find out, I think that it just takes practice, practice, practice. If you are like me and have always used a straight key, I am sure that it will take some time to get use to the rythem of the new "key" ! Let me know how you make out, and how you like your new paddle !

73
Steve
KA7NOC

> From: Bradley L Mugleston <kb0rol@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Bencher Paddle
> Date: Sunday, November 10, 1996 5:15 PM
>
> Gang,
>
> After reading all the posts about paddles and drooling over the ones
> available I was finally able to trade for some (thanks). they are the
> Bencher BY-1 (Black) ones. They have the "Lilt' Bugger" keyer (Iambic
> B) attached with velcro. These are really neat but How the Heck do you
> work them. After some practice I can send a "C" and sometimes a "Q". If
> I can reach a high state of ZEN I can send CQ about 80% of my tries (note
> this is all with only the keyer and a head set - no radio connected).
>
> Are there any instructional manuals out there? How about instructors?
> Also how about instructions for the Paddles (adjustment etc.)
>
> Don't worry I won't be using them on the air UNTIL I can at least send my
> call too.
>
> Thanks
> Brad Mugleston - KB0ROL
> Colorado QRP Club # 170, QRP-L #316, ARRL
> QTH - Aurora, CO - DM79oq
> KB0ROL@JUNO.COM
> BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Dan Hogan <dhhogan@lightside.com>
Subject: [4133] Re: CQC QRP club
Message-ID: <199611110225.SAA08713@covina.lightside.com>

Scott:

I sent in my check in July. got a response in three days. Then silence. A couple of weeks ago I got Email from Marshall EMM saying sorry didn't know you were a member, Journals on the way...NOTHING.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340(?), NorCal #1806, ARRL
dhhogan@lightside.com Lat. 34d 03.5'N Lon. 117d 56.0'W
Grid: OM84wc

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: "A.Keith Williams" <ki4ja@bellsouth.net>
Subject: [4103] Re: FW2EH
Message-ID: <32861F40.4E2@bellsouth.net>

Ola all,

I worked him October 28th on
17 meters with 5 watts and a
dipole. Received a 579 RST.
Heard him say QSL via DJ2EH.
I sent a card via the "buro"
to FW2EH (via DJ2EH). Got
a lot of out-of-the-way QSLs
by sending them this way.

73....Keith/ki4ja

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Byron8LCZ@aol.com
Subject: [4100] Re: FW2EH Info.?
Message-ID: <961110092618_1149021187@emout04.mail.aol.com>

In a message dated 96-11-09 23:43:20 EST, you write:

I would like any information about FW2EH, I worked him/her on rtty, please forgive me for not using cw, and the fact that I was QRO too !!! New to the group and already two strikes against me ;-) Hi..... Anyway if anyone has the QSL info. or knows where this station is located I sure would appreciate it, I am thinking that FW is in the south Pacific ?? Again

thanks
for any information anyone can provide.

73
Steve
KA7NOC >>

Hi Steve,

I also worked FW2EH but on cw with 5w and vert ant. FW2 is Wallis & Futuna Islands (Oceania). its between Fuji and Western Samoa, roughly 1000 mi east of Australias northern coast or about 6800 miles from Michigan. A very good haul for QRP or QRO. The call is not listed in the 93 DX callbook, its time for a new book. Wonder how many other QRP'ers worked him ?

72, Byron WA8LCZ Detroit

From owner-qrp-1@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [4115] Re: Heath Nostalgia; Am building an HW-8; Comments
Message-ID: <19961110.140803.3239.0.wb8ygg@juno.com>

UGH!

Here I sit with HW-8 box in hand.
I said that I would build this thing this winter, but
as the time approaches, it really seems that
I cannot do it. The only way I could is if I was
swimming in Unbuilt HW-8's like Rob..

Rob, did you take a trip to a garage sale in Benton
Harbor Michigan or what?

Anyway, these rigs belong in a Museum, and it's great that
Rob is going to photo the building process of the HW-8.

This would be a great presentation for Dayton! (HINT HINT!!)
Or a least make a board with all the pictures on it for display at
Dayton.

I was considering doing this myself, but now that
Rob is, that should be enough!

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [4127] re: Heath Nostalgia; am building....
Message-ID: <22994@sugarland.ampr.org>

Good for you Rob. Radios are supposed to be used on the air. I can't imagine what good a kit is unbuilt. I have had great fun with my HW-8 over the years using and modifying it and repairing it. It is a great radio for casual use and is very forgiving when you goof. There are better contest radios but they're aren't any better radios for just h having fun with a radio.

I say "Build 'em all"

72,

Bill, K5ZTY

ARCI #8817 NORCAL #1321 CQC #178 MI #1472 NE #440 QRP-L #473
WITHOUT CW, IT'S JUST CB

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [4101] RE: HW 7,8,9 QRP Rigs
Message-ID: <199611101450.HAA00492@dancris.com>

>Date: Tue, 12 Nov 1996 20:30:57

>To: qrp-l@lehigh.edu

>From: Bob Hightower <ki7mn@dancris.com>

>Subject: RE: HW 7,8,9 QRP Rigs

>

>At 11:31 AM 11/9/96 -0700, you wrote:

>>At one time, the Heath QRP rigs were by far the most popular.... there just
>>wasn't much commercially viable competition. Today, you have a large number
>>of kits and finished equipment to choose from. So, part of the affection is
>>the nostalgia and the history.

>>

>

>This message goes on with some history, then mentions a modification to the HQ-9.

>

>Don't make the mistake I did of asking about the modification, or you will receive at least 26 pages (still counting) of attachments, each more than 500K in size. This has totally locked up my mail system and created major problems.

>

>

Things have cleared up. Apparently something in the mail system went haywire. The original message was a single .tif file, but it blew up into something much larger, that seemed to download only in parts. Couldn't look at the parts, either. The thing finally completely downloaded (all the parts, I guess) and now can't be seen. weird.

And all I wanted was mod to the HW-9.

73,

Bob, KI7MN QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, not in any order of importance.

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: kemkerj@xyzzzy.net
Subject: [4110] Re: Non-inductive resistor source
Message-ID: <9611101644.AA07914@ponyxprs.atlanta.med.va.gov>

Not so much an objection as a question. My friend had told me something about twisted pair and I was trying to understand if it would be a problem in what you were talking about. I am not very knowledgeable in this area and I'm trying to reconcile the two pieces of information.

Thanks!

73 de KF4MZD (John Kemker)

rob3ert@juno.com (Robert G. Parks) wrote:

> John,

>

> I don't understand what you're saying. I wasn't talking about "twisted
> pairs". The technique I described has been used by a number of
> manufacturers for making wire-wound power resistors. The "two" wires end
> up being about as close to the same length as possible. Because of the
> folding or doubling at the "far" end, that end is shorted. Seeing as the
> wire would be wound around some sort of mandrel or form, I don't see how
> an antenna could be formed. I suppose that it might have some
> characteristics of a shorted stub, at some frequency. Please give me more
> info to explain your objection.

>

> Thanks,

>

> 72/73

> Bob Parks
> K6AEC
> QRP-L#630
> NorCal#1771
>
>
> On Fri, 8 Nov 1996 22:36:53 +0000 kemkerj@xyzzy.net writes:
> > rob3ert@juno.com (Robert G. Parks) wrote:
> >> Gang,
> >>
> >> Probably the best way to wind a non-inductive resistor is to take
> >the
> >> length of wire you need, double it back on itself and wind the two
> >> strands as though it were a single wire. Boths ends of the wire
> >will end
> >> up at the same place. The two ends are used as the different ends
> >of the
> >> resistor. The doubled end is not connected to anything. This gives
> >a
> >> "left-hand" inductor and a "right-hand inductor essentially in
> >series and
> >> closely coupled.
> >>
> >> I would question using copper wire for anything but a low-wattage
> >> resistor because of the high thermal resistance change with
> >temperature
> >> of copper.
> >>
> >> Just a thought.
> >>
> >> 72/73
> >> Bob Parks
> >> K6AEC
> >> QRP-L#630
> >> Norcal#1771
> >>
> >
> >I would question this, as from my understanding from a friend who
> >works in the telephone business, this is essentially a form of
> >twisted-pair. The problem with twisted-pair is that it becomes an
> >antenna very easily if the lengths of the individual strands in the
> >pair are not exactly the same.
> >
> >
>
>

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [4124] RE: qrl
Message-ID: <19961110.173004.4807.0.wb2vuo@juno.com>

>From: Jack Bryant <Jack.Bryant@math.tamu.edu>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: qrl
>Date: Sun, 10 Nov 1996 15:16:32 -0600 (CST)

>It means
> QRL? are you busy
> QRL I am busy, please wait/
>and it has nothing at all to do with QRP!
> -Jack W5TFB

Unfortunately, you are right, Jack. However, if you have someone query
for use with a QRL?, and you reply, they usually will still call CQ on
top of you because...

THEY AREN'T LISTENING!!!

or, they really don't care...

When is the last time a PACTOR/AMTOR/RTTY station even listened at all
before calling on frequency?

Lost QSO's make it a QRP topic.

72/73, Keith, WB2VUO, QRP-L #582
Trustee, KB2YTW/B 10 Mtr Milliwattting Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen Swamp...FN13ac"

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Joe Gervais <vole@primenet.com>
Subject: [4136] Re: SALE: QRP Rig in time for the Holidays
Message-ID: <199611110436.VAA23514@primenet.com>

Howdy again folks,

Wow! Had a few bites before I knew what happened! The MFJ-9020 has found a good home.

Didn't know there were so many late-night QRP-L lurkers. Glad to know I'm not alone. :-)

Now if only I could get out of the office and start attacking that QSL backlog of mine at home....

Cheers es Happy Holidays de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions, Wondering if I should bring my VA paperwork into the office tomorrow and demand the day off.... :-)

From owner-qrp-l@Lehigh.EDU Sun Nov 10 23:12:02 1996
From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [4107] Re: What Response to "QSL?"
Message-ID: <961110120722Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB/@MHS>

I usually call "QRL?", meaning "Is the frequency in use?"

If someone has the curtsey to ask QRL? when I'm on a frequency I answer "QRL" meaning "this frequency is in use". On the rare occasions where another station extends this curtsey rather than just starting to call CQ (the latter being more common!) I usually send "QRL TNX"

To me QSL? means "will you confirm receipt" - Usually requesting a piece of printed card to be sent !

Cheers de Dave (G0DJJA)